

L3 ANSWER 1 OF 1 CA COPYRIGHT 2002 ACS  
 AN \*\*\*123:177515\*\*\* CA  
 TI Waterproofing of oxide and nitride ceramic granules, and ceramics  
 manufactured from the granules  
 IN Nakazawa, Tetsuo; Kono, Kazushige; Soeda, Atsuko  
 PA Hitachi Ltd, Japan  
 SO Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM C04B035-628  
 ICS B01J002-28; B01J002-30; C04B035-00; C04B035-58; C04B035-626;  
 C04B041-82  
 CC 57-2, (Ceramics)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07157369	A2	19950620	JP 1993-310030	19931210
AB	The granules are manufd. from primary particles of <u>water-repellent material-coated hygroscopic</u> ceramic powders selected from .gtoreq.1 of superconductive oxides, alk. earth oxide-rich powders, and nitrides. The water-repellent materials have contact angle with water .gtoreq.80.degree., and are C.gtoeq.5 paraffins or fatty materials, e.g., palmitic acid, stearic acid, oleic acid, linoleic acid, linolenic acid and/or sardine acid. The granules are manufd. by mixing the ceramic powder with the water-repellent materials, and granulating the mixt. Alternatively, the granules are manufd. by coating the ceramic powder with a water-repellent material, dispersing the mixt. in an aq. or org. soln. of a water- or solvent-sol. binder, and spray granulating the material. Optionally, the ceramic particles are manufd. from calcined material by grinding with the water-repellent materials.				
ST	waterproofing ceramic powder hydrophobic coating; paraffin coating ceramic powder; fatty material coating ceramic powder; superconductive oxide powder coating; nitride ceramic powder coating; alk earth oxide ceramic coating				
IT	Fatty materials (coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Alkaline earth oxides RL: TEM (Technical or engineered material use); USES (Uses) (coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Superconductors (oxides; coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Alkanes, uses RL: TEM (Technical or engineered material use); USES (Uses) (C>4, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Waterproofing (agents, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Ceramic materials and wares (powd., coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Fats and Glyceridic oils RL: TEM (Technical or engineered material use); USES (Uses) (sardine, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	Coating materials (water-resistant, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	117127-99-8P, Barium calcium copper oxide RL: PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses) (ceramics; coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)				
IT	10043-11-5, Boron nitride, processes 24304-00-5, Aluminum nitride				

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(ceramics; coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)

IT 1304-28-5, Barium oxide, processes 1305-78-8, Calcium oxide, processes 1344-70-3, Copper oxide

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)

IT 57-10-3, Palmitic acid, uses 57-11-4, Stearic acid, uses 60-33-3, Linoleic acid, uses 112-80-1, Oleic acid, uses 463-40-1, Linolenic acid

RL: TEM (Technical or engineered material use); USES (Uses)  
(coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)